

TotalFinder ISX

HEAVY DUTY INDUSTRIAL ATEX GPS TRACKING UNIT WITH SOLAR
CHARGING AND ATEX | IECEX CERTIFICATION

USAGE AND CHARACTERISTICS

- » Tracking at preselected time interval
- » Monitoring of speed, acceleration, vibration and tilting
- » G-shock event reporting
- » Solar charging
- » Installation by metallic plate holder
- » 4G IoT | 2G



MEASURES AND TRANSMITS

- » Exact position via GNSS satellite system
- » GSM cell ID and strength of GSM signal
- » Direction of movement
- » Acceleration, tilting
- » Tilting - removal detection
- » Temperature
- » Battery voltage and status
- » G-shock event reporting
- » Possibility to connect bluetooth sensors

TYPES AVAILABLE*

TYPE	GSM	BLUETOOTH	BATTERY
20122719	4G IoT 2G	Bluetooth 5.0	5,6 Ah
20122720	4G IoT 2G	-	5,6 Ah

*for customized solutions please feel free to contact us

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TECHNICAL PARAMETERS

GSM CONNECTIVITY	version 4G NB-IoT/Cat M1	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28/B39	
	SIM	Chip SIM	
		Nano SIM	
	Types of communication	GPRS	
	Calls	Alarm call	
	SMS	Alarm & Info SMS, SMS commands, requests, SMS configuration	
	GPRS internet connectivity	Class 12/ static & dynamic IP VPN, UDP protocol / 128bit security encryption key / FW upgrade, configuration settings, on-line value reading, report memory reading, control	
GNSS	GPS, Glonass, BeiDou, Galileo	60 tracking channels, 99 acquisition channels, 210 PRN channels	
ANTE N	GPS, GSM, Bluetooth	Internal	
NAS	Type and capacity	Li-Ion 5,6 Ah	
BATTERIES CONSUMPTION	Standby	4 mAh / day	
	Trackpoint + data sending	1 mAh / each position	
	Solar panel gain	5-200 mA according to light intensity	
SE NSORS	3 dimensional G sensor	Movement detection / Tilt detection / G-shock / Temperature	
	Possibility to connect Bluetooth sensors (TFI 172 002)		
INTERNAL MEMORY	Flash 512 kB	Capacity 5000 events or positions	
DIMENSIONS mm	Without metallic plate holder	216 x 100 x 35	
TEMPERATURE RANGE	-35 °C up to +80 °C		
PROTECTION CLASS	IP69	Waterresist	
WE IGH T	With batteries	720 g	
STANDARDS	EMC	EN 50121-3-2 ed.4 EN 61000-6-4:2007+A1:2011 EN 55032:2015 EN 55024:2010	
	LVD	EN 62368-1:2014+A11:2017	
	Climatic testing	EN 50155 EN 60068-2-2 EN 60068-2-1 ed.2 EN 60068-2-30 ed. 2	
	Shock and vibration	EN 61373 ed. 2	
	IP code	EN 60529	
	ATEX	EN IEC 60079-0:2018, EN 60079-11:2012	
		 II 2G Ex ib IIB T4 Gb	 II 2D Ex ib IIIC T135°C Db
	IECEX	IEC 60079-0:2017, IEC 60079-11:2011	
Ex ib IIB T4 Gb		Ex ib IIIC T135°C Db	



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